

1.  2.  3.  4.  5.  6.  7.  8.  9.  10.  11.  12.  13.  14.  15.  16.  17.  18.  19.  20.  21.  22.  23.  24. 

conducting a key object search with said search capable video recorder to locate at least one television program that contains said at least one key object.

1           2.    The method as claimed in Claim 1 further comprising the  
2 steps of:

3           identifying a plurality of key objects in at least one  
4 Internet document;

5           placing said plurality of key objects in a list of key  
6 objects;

7           sending said list of key objects to said search capable  
video recorder; and

          conducting a key object search with said search capable  
video recorder to locate at least one television program that  
contains at least one key object in said list of key objects.

1           3.    The method as claimed in Claim 2 further comprising the  
2    step of:

3           increasing the number of said plurality of key objects in  
4    said list of key objects by adding key objects to said list that  
5    are similar to said plurality of key objects in said list of key  
6    objects.

4.    The method as claimed in Claim 1 further comprising the  
steps of:

providing search results of said key object search to a  
viewer, said search results identifying at least one television  
program that contains at least one key object;

selecting at least one television program that contains at  
least one key object in response to a viewer instruction; and

recording in said search capable video recorder said at  
least one television program selected by said viewer.

1           5.    The method as claimed in Claim 1 further comprising the  
2 steps of:

3           receiving in said search capable video recorder search  
4 results of said key object search, said search results  
5 containing at least one television program that contains at  
6 least one key object; and

7           recording in said search capable video recorder at least one  
of the television programs identified in said search results.

8           6.    The method as claimed in Claim 5 further comprising the  
9 steps of:

10          using a selection criterion to select at least one  
11 television program from said search results to be recorded.

12          7.    The method as claimed in Claim 6 wherein said selection  
13 criterion comprises one of: selecting only those television  
14 programs that will be shown in a particular time period,  
15 selecting only those television programs that are deemed to be  
16 the most relevant to a particular topic, selecting all  
17 television programs that appear within a search result until the  
disk space limit of a search capable video recorder has been

1 reached, selecting television programs that may be overwritten  
2 by said search capable video recorder, and selecting television  
3 programs that may not be overwritten by said search capable  
4 video recorder.

1 8. The method as claimed in Claim 5 further comprising the  
2 step of:

3 recording in said search capable video recorder all of the  
4 television programs identified in said search results.

5 9. The method claimed in Claim 1 wherein said key object  
6 search is conducted for a predetermined period of time.

7 10. The method as claimed in Claim 1 wherein said key  
8 object search identifies at least one television program using  
9 program identification information.

1           11. The method as claimed in Claim 1 wherein said key  
2 object search identifies at least one television program by  
3 analyzing at least one video stream of at least one television  
4 program to find objects that match the key objects used in said  
5 key object search.

1           12. The method as claimed in Claim 1 wherein said search  
capable video recorder comprises one of: a video recorder with  
a hard disk memory, a television set with a video recorder with  
a hard disk memory, a set top box with a video recorder with a  
hard disk memory, a video cassette recorder with a hard disk  
memory, and a personal computer with a video card.

1        13. A method for searching for television programs  
2 comprising the steps of:

3        identifying at least one key object in at least one Internet  
4 document;

5        sending said at least one key object to a search capable  
6 video recorder;

7        conducting a key object search with said search capable  
video recorder to locate at least one television program that  
contains said at least one key object;

8        providing search results of said key object search to a  
9 viewer, said search results identifying at least one television  
10 program that contains at least one key object;

11       selecting at least one television program that contains at  
12 least one key object in response to a viewer instruction; and

13       recording in said search capable video recorder said at  
14 least one television program selected by said viewer.  
15  
16

1           14. The method as claimed in Claim 13 further comprising  
2 the step of:

3           conducting said key object search in said search capable  
4 video recorder in television programs that have previously been  
5 recorded in said search capable video recorder.

1           15. The method as claimed in Claim 13 wherein said key  
2 object search is conducted for a predetermined period of time.

3           16. The method as claimed in Claim 13 wherein said key  
4 object search identifies at least one television program using  
5 program identification information.

1           17. The method as claimed in Claim 13 wherein said key  
2 object search identifies at least one television program by  
3 analyzing at least one video stream of at least one television  
4 program to find objects that match the key objects used in said  
5 key object search.



**PATENT**

1        18. The method as claimed in Claim 13 wherein said search  
2        capable video recorder comprises one of: a video recorder with  
3        a hard disk memory, a television set with a video recorder with  
4        a hard disk memory, a set top box with a video recorder with a  
5        hard disk memory, a video cassette recorder with a hard disk  
6        memory, and a personal computer with a video card.

00749704304

1           19. A method for searching for television programs  
2 comprising the steps of:

3           identifying a plurality of key objects in at least one  
4 Internet document;

5           placing said plurality of key objects in a list of key  
6 objects;

7           sending said list of key objects to said search capable  
video recorder;

8           conducting a key object search with said search capable  
9 video recorder to locate at least one television program that  
10 contains at least one key object in said list of key objects;

11           providing search results of said key object search to a  
12 viewer, said search results identifying at least one television  
13 program that contains at least one key object;

14           selecting at least one television program that contains at  
15 least one key object in response to a viewer instruction; and  
16

17           recording in said search capable video recorder said at  
18 least one television program selected by said viewer.

1           20. The method as claimed in Claim 19 wherein said key  
2 object search is conducted for a predetermined period of time.

1           21. The method as claimed in Claim 19 wherein said key  
2           object search identifies at least one television program using  
3           program identification information.

1           22. The method as claimed in Claim 19 wherein said key  
2           object search identifies at least one television program by  
3           analyzing at least one video stream of at least one television  
4           program to find objects that match the key objects used in said  
5           key object search.

1           23. The method as claimed in Claim 19 wherein said search  
2           capable video recorder comprises one of: a video recorder with  
3           a hard disk memory, a television set with a video recorder with  
4           a hard disk memory, a set top box with a video recorder with a  
5           hard disk memory, a video cassette recorder with a hard disk  
6           memory, and a personal computer with a video card.

[illegible]